WAVECOM

May 2015

Test Multimeters
WAVECOM

Gla

WAVECOM INSTRUMENTS

Delivering certainty ... Since 1938
www.hamer.co.nz

HAMER

Contents

Portable appliance tester **TnT EL** 5

Portable appliance tester with inbuilt RCD - **TnT RCD** 6

Portable appliance tester with inbuilt RCD & ISOT KIT - **TnT RCD KIT** 7

Portable appliance tester with ECO print KIT - **TnT +MP** 8

USB Thermal printer & software package - **LogBOOK Print** 9

Portable appliance tester Test N Print unit - **TnP-500** 10

Consumables 11

Software

Accessories 12

Portable Digital RCD Tester with Isolation Transformer (KIT) - **WCMRCDISOTII** 13

Portable Appliance Testers

PORTABLE APPLIANCE TESTER WITH LEAKAGE TEST

HAMER CODE	DESCRIPTION
WCMTNTEL	TnT-EL Gen4 Portable Appliance Tester 10A with Meter Mode

Meets stringent AS/NZ 3760:2010 standards

Characteristics

- Leakage test
- Meter Mode
- Class I/Class II
- Extension Leads
- 500v/250v insulation test
- Mains supply test
- Earth bond test
- Tester rated to 10A/230V Max
- 24 month warranty (conditions apply)
- 12 month Calibration Certificate
- Simplified one button testing
- Test icons & Symbols on Large LCD
- Large fonts during tests showing results & progress
- Mains/Input Polarity test on start up
- User settable functions
- Impact resistant and flame retardant casing
- Built in carry handle
- Flashing Test Fail indicator

With solid 10Amp and a totally new Meter Mode® function (providing instant power, voltage and current measurements) the Gen4 TnT series boast a comprehensive list of tests and analysis as required under our AS/NZS 3760:2010 Standards.
Designed and Manufactured in Australia to meet stringent testing requirements - some of the tightest in the world - the TnT Gen4 series now sets its own new standard of reliability and ruggedness.
This makes the Gen4 a unique and specialised product, capable of performing any test as specified and reporting/recording results in a clear yet concise manner, with display readings that make sense.
Physical characteristics of the Gen4 also have major design enhancements. From simple features such as an integrated carry handle, through to special removable inter-locking power cords, sloping top panel and front loaded test sockets.
The TnT Gen4 series is the logical choice for serious Test & Tag operators, Industry and Mining.

SUPPLIED WITH A SOFT PROTECTIVE CARRY CASE

PORTABLE APPLIANCE TESTER WITH RCD

HAMER CODE	DESCRIPTION
WCMTNTRCD	TnT-RCD Gen4 Portable Appliance Tester 10A with RCD

Meets stringent AS/NZ 3760:2010 standards

Characteristics

- Leakage test
- Meter Mode
- Class I/Class II
- Extension Leads
- 500v/250v insulation test
- Mains supply test
- RCD testing (portable and switchboard)
  - Trip current 10mA, 30mA, 100mA, 300mA, 500mA
  - Trip time 0—300mS
- Earth bond test
- Tester rated to 10A/ 230V Max
- 24 month warranty (conditions apply)
- 12 month Calibration Certificate
- Simplified one button testing
- Test icons & Symbols on Large LCD
- Large fonts during tests showing results & progress
- Mains/Input Polarity test on start up
- True RCD ramp up test
- User settable functions
- Impact resistant and flame retardant casing
- Built in carry handle
- Flashing Test Fail indicator

With solid 10Amp and a totally new Meter Mode® function (providing instant power, voltage and current measurements) the Gen4 TnT series boast a comprehensive list of tests and analysis as required under our AS/NZS 3760:2010 Standards.
Designed and Manufactured in Australia to meet stringent testing requirements - some of the tightest in the world - the TnT Gen4 series now sets its own new standard of reliability and ruggedness.
This makes the Gen4 a unique and specialised product, capable of performing any test as specified and reporting/recording results in a clear yet concise manner, with display readings that make sense.
Physical characteristics of the Gen4 also have major design enhancements. From simple features such as an integrated carry handle, through to special removable inter-locking power cords, sloping top panel and front loaded test sockets.
The TnT Gen4 series is the logical choice for serious Test & Tag operators, Industry and Mining.

Please note: this PAT tester will Trip an RCD;

- For optional ISOTII Isolation Transformer kitset please include the code **WCMRCDISOTII**
- For an alternative upgraded kitset which includes the PAT above, ISOTII and a hard carry case please see code **WCMTNTRCDKIT**

SUPPLIED WITH A SOFT PROTECTIVE CARRY CASE

PORTABLE APPLIANCE TESTER WITH RCD & ISOT II KIT

HAMER CODE	DESCRIPTION
WCMTNTRCDKIT	TnT-RCD Gen4 Portable Appliance Tester 10A with RCD and ISOT II in a kit

Meets stringent AS/NZ 3760:2010 standards

Characteristics

- Leakage test
- Meter Mode
- Class I/Class II
- Extension Leads
- 500v/250v insulation test
- Mains supply test
- RCD testing (portable and switchboard)
  - Trip current 10mA, 30mA, 100mA, 300mA, 500mA
  - Trip time 0—300mS
- Earth bond test
- Tester rated to 10A/ 230V Max
- 24 month warranty (conditions apply)
- 12 month Calibration Certificate
- Simplified one button testing
- Test icons & Symbols on Large LCD
- Large fonts during tests showing results & progress
- Mains/Input Polarity test on start up
- True RCD ramp up test
- User settable functions
- Impact resistant and flame retardant casing
- Built in carry handle
- Flashing Test Fail indicator

With solid 10Amp and a totally new Meter Mode® function (providing instant power, voltage and current measurements) the Gen4 TnT series boast a comprehensive list of tests and analysis as required under our AS/NZS 3760:2010 Standards.
Designed and Manufactured in Australia to meet stringent testing requirements - some of the tightest in the world - the TnT Gen4 series now sets its own new standard of reliability and ruggedness.
This makes the Gen4 a unique and specialised product, capable of performing any test as specified and reporting/recording results in a clear yet concise manner, with display readings that make sense.
Physical characteristics of the Gen4 also have major design enhancements. From simple features such as an integrated carry handle, through to special removable inter-locking power cords, sloping top panel and front loaded test sockets.
The TnT Gen4 series is the logical choice for serious Test & Tag operators, Industry and Mining.

SUPPLIED WITH A ROBUST WATERPROOF PROTECTIVE CARRY CASE (as pictured)

PORTABLE APPLIANCE TESTER TNT +M WITH ECONOMY PRINT KIT

HAMER CODE	DESCRIPTION
WCMTNTMP	Wavecom TnT+MP Gen4 Portable Appliance Tester 10A with ECO Printer

Meets stringent AS/NZ 3760:2010 standards

Plus

TnT+M Economy Print Kit
Model TnT+MP

Description
The new generation TnT+M with Economy Print Kit allows you to conduct all tests required under the standards and print your own test tags on site!

Functions & Features:
Meter Mode
Class I / Class II
Leakage Current
500V Insulation / 250V Insulation
RCD Testing
Mains Supply Test
Power Measurement
Data Connectivity to PC / Laptop via on-board USB port
Printer Connectivity via laptop/PC
Direct Tag Printer connectivity via on-board serial port
Direct Keyboard connectivity via on-board PS/2port
Memory - 5,000 Item Storage
*Memory - 20,000 Item Storage (Factory upgrade option)

Scope of supply:
TnT+M 10Amp appliance tester c/w 5000 record memory
WinPATS Base software
USB Keyboard and adaptor for fast data entry
10Amp IEC plug and alligator adaptor leads
Robust IP rated carry case
Thermal transfer printer and cables
Calibration certificate and manual
2 year warranty

Note: Registration required to activate software via internet.
Requires ribbon and tag labels (sold separately)

Additional accessories see: WCMBCLSCNR - Wavecom Barcode laser **s**canner for automated testing.

LogBOOK Print USB THERMAL PRINTER & SOFTWARE PACKAGE

HAMER CODE	DESCRIPTION
WCMLBP	Wavecom LogBOOK Print - PAT Tag USB Thermal Printer and Software package

Description

Print your Tags on site using LogBOOK Print Software and the portable deluxe thermal transfer printer.

The LogBOOK Print software package can be used with any Windows based PC or Tablet.
It is easy to use and easy to set-up with its automatic loader.
LogBOOK Print Software has pre –loaded tag design templates that allow you to print tags that meet the AS/NZS 3760:2010 standards.
The LogBOOK Print software gives you the total flexibility to customize tags e.g. change logo, edit license number, bar coding & descriptions using the template feature.
The LogBOOK Print unit includes the tag printer module and a deluxe thermal transfer printer.
Another feature of this software is it can be used in conjunction with any appliance tester.

Scope of supply:

1 Deluxe thermal transfer printer (TT040-50)
1 WinPATS LogBOOK Print software with automatic loader
1 roll Std White labels (roll 500)
1 roll Std thermal ribbon
Instruction manual

Note: Registration required to activate software via internet.

PORTABLE APPLIANCE TESTER TNP-500 TEST N PRINT UNIT

HAMER CODE	DESCRIPTION
WCMTNP500	Wavecom TNP-500 Portable Appliance Tester 10A Test N Print Unit

Meets stringent AS/NZ 3760:2010 standards

TnP-500 Test N Print Unit

Model TnP-500

Description

The new generation TnP-500 Test N Print Unit allows you to conduct all tests required under the standards and print your own test tags on site with no PC required.
Designed for high volume testing programs where records are a paramount issue, this totally integrated system provides fully automated electrical testing with barcode printing and scanning/ full keyboard entry with high quality tag printing and reading.
It comes standard with a huge on-board 5000 items storage capacity & can also have an optional 20,000 item memory upgrade if required.
Another upgrade option is that this unit can have a preloaded personal logo installed.
When back in the office all the testing data can be imported onto a PC to keep a master file/ backup. It can also be exported if required.

Functions & Features:

Meter Mode
Class I / Class II
Leakage Current
500V Insulation / 250V Insulation
RCD Testing
Mains Supply Test
Power Measurement
Data Connectivity to PC / Laptop via on-board USB port
Printer Connectivity via laptop/PC
Direct Tag Printer connectivity via on-board serial port
Direct Keyboard connectivity via on-board PS/2port
Memory - 5,000 Item Storage
*Memory - 20,000 Item Storage (Factory upgrade option)
Programmable user and work site names
2 year warranty

Scope of supply:

TnT+M 10Amp appliance tester c/w 5000 record memory
USB Keyboard and adaptor for fast data entry
10Amp IEC plug and alligator adaptor leads
WINPATS Premium software package
Robust IP rated carry case
Thermal transfer printer and cables
Laser barcode scanner
Calibration certificate and manual

Note: Registration required to activate software via internet.
Requires ribbon and tag labels (sold separately)

PORTABLE APPLIANCE TESTER CONSUMABLES

Standard Thermal Transfer Ribbon
Standard thermal transfer ribbon for Wavecom TT040-50 Thermal Transfer Bar Code narrow body Printers.
Prints Approx. 650 tags/ ribbon

Standard Thermal Tags
These tags have been designed by Wavecom so there is perfect scanning every time via the bar code scanner.
Each tag is 100 mm x 40mm.
A white leader has been added to every coloured tag for perfect scanning.
Tags suitable for Wavecom TT040-50 Thermal Transfer Bar Code Printer.

HAMER CODE	DESCRIPTION
WCMRIBBON	Wavecom Standard black thermal transfer ribbon (1 roll per 650 tags approx.)
WCMTAGW	Wavecom Standard White Tags for TT04050 thermal printer 500 per Roll
WCMTAGB	Wavecom Standard Blue Tags for TT04050 thermal printer 500 per Roll
WCMTAGY	Wavecom Standard Yellow Tags for TT04050 thermal printer 500 per Roll
WCMTAGO	Wavecom Standard Orange Tags for TT04050 thermal printer 500 per Roll
WCMTAGG	Wavecom Standard Green Tags for TT04050 thermal printer 500 per Roll
WCMTAGR	Wavecom Standard Red Tags for TT04050 thermal printer 500 per Roll
WCMTAGBUR	Wavecom Standard Burgundy Tags for TT04050 thermal printer 500 per Roll

UV Resistant Gold Thermal Printer Ribbon
Gold coloured for easy identification. Excellent UV resistance properties and is laboratory tested and rated in a scale of 1 to 5. In the areas of UV, chemical, scratch and print quality, the UV Gold thermal printer ribbon rates 5 in all categories. Suitable for Wavecom TT040-50 Thermal Transfer Bar Code Printer.

UV Tags
Wavecom UV resistant tags are made of Polyester material with a very aggressive adhesive.
Each roll contains 400 of 100mm x 40mm sized label tags. Once the UV resistant colour inks are applied to the base label stock a UV resistant coating is also applied as this helps to further protect the label from deterioration. Tags suitable for Wavecom TT040-50 Thermal Transfer Bar Code Printer.

HAMER CODE	DESCRIPTION
WCMUVRIBBON	Wavecom UV resistant gold thermal printer ribbon (1 roll per 400 tags approx.)
WCMUVTAGW	Wavecom UV White Tags for TT04050 thermal printer 400 per Roll
WCMUVTAGB	Wavecom UV Blue Tags for TT04050 thermal printer 400 per Roll
WCMUVTAGY	Wavecom UV Yellow Tags for TT04050 thermal printer 400 per Roll
WCMUVTAGO	Wavecom UV Orange Tags for TT04050 thermal printer 400 per Roll
WCMUVTAGG	Wavecom UV Green Tags for TT04050 thermal printer 400 per Roll
WCMUVTAGR	Wavecom UV Red Tags for TT04050 thermal printer 400 per Roll
WCMUVTAGBUR	Wavecom UV Burgundy Tags for TT04050 thermal printer 400 per Roll

WCMRIBBON

WCMUVRIBBON

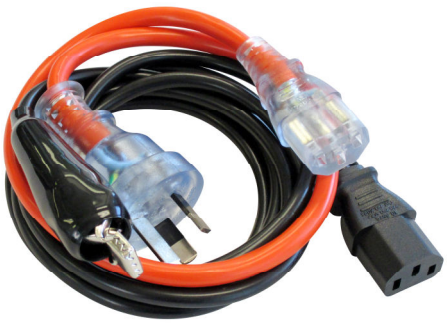
WCM Thermal Tags

PORTABLE APPLIANCE TESTER ACCESSORIES

HAMER CODE	DESCRIPTION
WCMBCLSCNR	Wavecom Barcode laser **s**canner for automated testing.
WCMYLEAD	Wavecom Y lead for memory testers only, for scanner and keyboard operation
WCMLEADSET	Wavecom Alligator Earth + Ins Lead plus 500mm IEC Test Lead Set
WCMISOTII	Wavecom Isolation Transformer WCM-ISOT II - For RCD testing only
WCMCLOVERADPT	Wavecom IEC TO 3 PIN CLOVER ADAPTOR for PAT testing laptops
WCMIEC2010	Wavecom IEC 20amp to 10amp Adapter Cable

WCMBCLSCNR

WCMYLEAD



WCMLEADSET
fits all Gen4 PAT testers

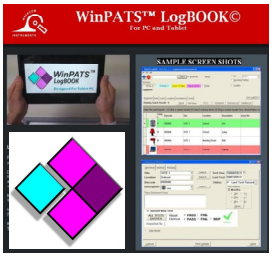
WCMISOTII

WCMCLOVERADPT

WCMIEC201

SOFTWARE

WCMLOG - WinPATS™ LogBOOK is a NEW, powerful and versatile user friendly software specifically designed to replace traditional log books and manual records. Use it with any Portable Appliance Tester (PAT) or simply just a mega/multi-meter. This advanced stand alone software runs on Laptops, Tablets or portable PCs, for either field work or back at base reconciliation. Test Result recording Data on appliances, sites or schedules is performed quickly and seamlessly. Many previously wearisome time consuming tasks and manual steps are abolished. Manual Test & Tag or Asset Management.



HAMER CODE	DESCRIPTION
WCMLOG	Wavecom WinPATS LogBOOK Software CD for PC or Windows based Tablets Basic asset management software

RCD TEST KIT

HAMER CODE	DESCRIPTION
WCMRCDISOTII	Portable Digital RCD Test Kit with Isolation Transformer

Meets stringent AS/NZ 3760:2010 standards

Characteristics

- Kit includes a Digital RCD Tester & Isolation Transformer
- A Hitech isolation transformer for testing portable RCDs without tripping the mains switchboard
- RCD Current test mA
- RCD Time test mS
- RCD Ramp test
- 0 deg / 180 deg
- 10mA, 30mA, 100mA, 300mA, 500mA or 650mA without ISOTII
- Normal or Delayed
- No interruption by tripping switchboards with use of the isolation transformer
- Large 3-digit LCD Display with back light
- Blue/ Red results indication
- Operates on a TT neutral and TN system
- Locking and warning signals for 400V network voltage and contact potential >50V
- Operating voltage:230V (Ph./N) – 10/+6% 50/60 Hz.
- Low battery warning indicator
- Four ‘AA’ batteries included
- Switchboard test leads
- Test leads and accessories comply with CAT III 1000V, CAT IV 600V
- 2 year warranty
- Soft carry case
- Designed and manufactured in Australia
- Ergonomic design with built in carry handle on the ISOT transformer unit
- Impact resistant and flame retardant housing on the ISOT transformer unit

All in one Test Kit for testing portable RCDs and RCDs straight from the switchboard! The kit includes an isolation transformer for testing portable RCDs without tripping the mains switchboard. Switchboard leads are also included to conduct testing directly into the mains switchboard.

SUPPLIED WITH A SOFT PROTECTIVE CARRY CASE